| In | dex | of Cl | aims | ; |
|----|-----|-------|------|---|
|    |     |       |      |   |

| Application No. | Applicant(s)   |
|-----------------|----------------|
| 09/625,960      | AGUILAR ET AL. |
| Examiner        | Art Unit       |

|   | Rejected | _ | (Through numeral)<br>Cancelled |
|---|----------|---|--------------------------------|
| _ | Allowed  |   | Postricted                     |

| N | Non-Elected  |
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| _ | Interference |

Michael N. Opsasnick

| A | Appeal   |
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| 0 | Objected |

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|          |          |         |          |  |  |              |          |          |          |              | 1   |       |          |          |                |          |    |          |   |    |          |          | i 1 | <u> </u> |            |
|----------|----------|---------|----------|--|--|--------------|----------|----------|----------|--------------|-----|-------|----------|----------|----------------|----------|----|----------|---|----|----------|----------|-----|----------|------------|
| Cla      | aim      |         |          | ,  | [  | Date         | e        |          |          | , _          |     | Cla   | im       | <u> </u> |                |          | _[ | Date     | } |    |          |          |     | Cla      | aim        |
| Final    | Original | 12/4/04 |          |  |  |              |          |          | -        |              |     | Final | Original |          |                |          |    |          |   |    |          |          |     | Final    | Original   |
|          | 1        | √       |          |  |  | П            |          |          |          |              |     |       | 51_      |          |                |          |    |          |   |    |          |          |     |          | 101        |
|          | 2        | √       | Г        |  |  | Г            |          |          |          |              |     |       | 52       |          |                |          |    |          |   |    |          |          |     |          | 102        |
|          | 3        | ✓       |          |  |  |              |          |          |          |              |     |       | 53       |          |                |          |    |          |   |    |          |          |     |          | 103        |
|          | 4        | ✓       |          |  |  |              |          |          |          |              |     |       | 54       |          |                |          |    |          |   |    |          |          |     |          | 104        |
|          | 5        | 0       |          |  |  |              |          | L        |          |              |     |       | 55_      |          |                |          |    |          |   |    |          |          |     |          | 105        |
|          | 6        | V       |          |  |  |              |          | L        |          |              |     |       | 56_      |          |                |          |    |          |   |    |          |          |     |          | 106        |
|          | 7        | ✓       |          | L  | L  | L            | L        | <u> </u> |          |              |     |       | 57       | L.       |                | Ш        |    |          |   |    |          |          |     |          | 107        |
|          | 8        | √       |          |  | L  | L            | 乚        | L        |          | L.           |     |       | 58       |          | _              |          |    |          |   |    | Щ        |          |     |          | 108        |
|          | 9        | 1       | <u></u>  | $ldsymbol{ld}}}}}}$ |  | <u> </u>     | <u> </u> | <u> </u> | <u> </u> | L.           |     |       | 59       | L        | L.             | Ш        |    | <u> </u> |   |    | Ш        |          |     |          | 109        |
|          | 10       | ✓       | <u></u>  | _  | 匚  | _            |          | <u> </u> | _        |              |     |       | 60       | <u> </u> | <u> </u>       |          |    |          |   |    | _        |          |     |          | 110        |
|          | 11       | ✓       | ╙        | _  | L  | <u> </u>     |          | L.       | L        | L_           |     |       | 61       | _        | _              |          |    | Щ        |   |    |          |          |     |          | 111        |
|          | 12       | ✓       | _        | _  | _  | L.,          | <u> </u> | <u> </u> | <u> </u> | _            |     |       | 62       | <u> </u> | _              |          |    | L.,      |   |    | -        |          |     |          | 112        |
| <u></u>  | 13       | 0       | <u>L</u> | _  |  | $oxed{oxed}$ | <u> </u> | <u> </u> | L        | <u> </u>     |     |       | 63       | _        |                |          |    |          |   |    |          |          |     |          | 113        |
|          | 14       | ✓       | <u> </u> | <u> </u>   | ļ  | ╙            | ļ        | <u> </u> | <u> </u> | <u> </u>     |     |       | 64       | <u> </u> | _              | Ш        |    | ļ        |   |    | -        |          |     |          | 114        |
|          | 15       | =       |          | _  | ╙  | ļ            | L        | <u> </u> | L        | <u> </u>     |     |       | 65       | _        | ļ              |          |    | L        |   |    |          | _        |     |          | 115        |
|          | 16       | 트       | <u> </u> |  | <u> </u>   | _            | ├-       | _        | <u> </u> | _            |     |       | 66       | _        | ļ              | Ш        |    |          |   |    |          |          |     |          | 116        |
| <u> </u> | 17       | =       | L        | <u> </u>   | _  | <u> </u>     | ├        | ⊢        | <u> </u> | <u> </u>     |     |       | 67       | _        |                | Н        |    | <u> </u> |   |    | Н        |          |     |          | 117<br>118 |
| <u> </u> | 18       | =       | <u> </u> | _  | <del> </del>                                     | -            | ⊢        | ├        | <u> </u> | -            |     |       | 68<br>69 |          | <u> </u>       | Н        |    | _        | - |    |          | _        |     |          |            |
|          | 19       | =       | ļ        | _  | <u> </u>   | <u> </u>     | ┝        | ⊢        |          | <u> </u>     |     |       |          | <u> </u> | -              | H        |    | <u> </u> | _ |    | Н        |          |     |          | 119<br>120 |
| <u> </u> | 20       | =       |          | ⊢  | <del> </del>                                     | -            | ┡        | ١.       | ├        | -            |     |       | 70<br>71 | _        | <del> </del> — | H        |    | -        |   |    |          | H        |     |          | 121        |
| -        | 21<br>22 | =       | ⊢        | ⊢  | -  |              | ⊢        | ⊢        | -        | ⊢            |     |       | 72       | $\vdash$ | ├              | $\vdash$ | _  | -        | - |    | -        |          |     |          | 122        |
| -        |          | =       | ⊢        | ⊢  |  | <u> </u>     | ├        | ⊢        | ┝        | <del> </del> |     |       | 73       | $\vdash$ | ├              | $\vdash$ |    | ļ        |   |    | _        | _        |     |          | 123        |
| -        | 23<br>24 | =       | -        | ⊢  | -  | ├            | ┝        | ├        | ⊢        | ┝            |     |       | 74       | -        | ┝              | $\vdash$ |    |          |   |    |          | -        |     |          | 124        |
| -        | 25       | -       | ┝        | ├  | ├  | ├            | ⊢        | ⊢        | ⊢        | ├            |     |       | 75       | -        | $\vdash$       | -        | _  |          |   | _  |          | $\vdash$ |     |          | 125        |
| -        | 26       | =       | ⊢        | ⊢  | -  | ⊢            | ├        | ├        | ├        | ┢            |     |       | 76       |          | ├              | Н        |    |          | _ |    | $\vdash$ | _        |     |          | 126        |
| -        | 27       | =       | -        | ├  | $\vdash$   | ├            | ┢        | ⊢        | ┢        | ├            |     |       | 77       | ├        | ⊢              | -        | -  | -        | _ |    |          | H        |     |          | 127        |
| $\vdash$ | 28       | =       | H        | ⊢  | ⊢  |              | ┢        | ┢        | ┝        | ┝            |     |       | 78       | ├─       | $\vdash$       | $\vdash$ | -  |          |   |    | $\vdash$ | $\vdash$ |     |          | 128        |
| -        | 29       | =       |          | -  | ├  | ┢            | ╫┈       | ┢        | ├─       | ⊢            |     |       | 79       | ┢        | -              | $\vdash$ |    | $\vdash$ |   |    |          | $\vdash$ |     |          | 129        |
| -        | 30       | =       | $\vdash$ | ├  | ⊢  | $\vdash$     | ╁╌       | ┢        | ┢        | H            |     | -     | 80       | -        | -              | $\vdash$ |    | _        | _ | -  |          | -        |     |          | 130        |
|          | 31       | Ī       |          | ├─   | $\vdash$   | $\vdash$     | ╁        | -        | ⊢        | $\vdash$     |     |       | 81       | $\vdash$ | -              | H        |    | H        |   | -  | -        |          | 1   |          | 131        |
| -        | 32       | Ē       | ╁        | ⊢  | ├─   | ╁            | $\vdash$ | ┢        | ┢        | -            |     |       | 82       | -        | $\vdash$       | $\vdash$ |    |          | _ | _  | $\vdash$ | -        | i   |          | 132        |
|          | 33       | Ē       |          | ┢  | ┢  | $\vdash$     | $\vdash$ | ╁        | -        | $\vdash$     |     | -     | 83       | $\vdash$ | $\vdash$       | $\vdash$ |    |          | _ |    |          | -        |     |          | 133        |
|          | 34       | =       |          | 一  |  | $\vdash$     |          | ╁╌       | $\vdash$ | $\vdash$     | il  |       | 84       | H        | <u> </u>       |          |    |          |   |    |          | $\vdash$ | 1   |          | 134        |
|          | 35       | =       |          | $\vdash$   | <del>                                     </del> | $\vdash$     | $\vdash$ | 1        |          | 1            |     |       | 85       | _        |                |          |    |          | _ |    | Г        |          |     |          | 135        |
|          | 36       | =       | _        | _  | H  | H            | <b>†</b> | t        |          |              | i   |       | 86       |          | Г              |          |    | $\vdash$ |   |    | П        |          |     |          | 136        |
| _        | 37       | =       |          | <u> </u>   |  | T            |          |          |          | $\vdash$     |     |       | 87       | П        | Г              |          |    | ,        |   |    |          |          |     |          | 137        |
|          | 38       | =       |          | T  | ┢  | $\vdash$     | 1        | Г        |          | <b>†</b>     | 1   |       | 88       |          | Г              |          |    | Г        |   |    |          | Г        | 1   |          | 138        |
| _        | 39       | =       |          | $\vdash$   | ┢  | 1            | 1        | T        |          | Г            |     |       | 89       |          | $\vdash$       |          |    | Г        |   |    |          |          |     |          | 139        |
|          | 40       | Ξ       |          | ┢  |  | ┢            | T        | T        |          | Г            |     |       | 90       | Г        |                |          |    |          |   |    |          | Г        | 1   |          | 140        |
|          | 41       |         |          |  |  |              |          | Г        |          |              |     |       | 91       |          |                |          |    |          |   | П  |          |          |     |          | 141        |
|          | 42       |         |          |  |  |              | Т        |          |          | П            | 1 1 |       | 92       |          | П              |          |    |          |   |    |          | Г        |     |          | 142        |
|          | 43       | 1       |          |  |  |              | 1        | Π        |          |              |     |       | 93       |          |                |          |    |          |   |    |          |          |     |          | 143        |
|          | 44       |         |          |  |  |              |          |          |          |              | ]   |       | 94       | Ĺ        |                |          |    |          |   |    |          |          | ]   |          | 144        |
|          | 45       |         |          |  |  |              |          |          | L        |              | ]   |       | 95       |          |                |          |    |          |   |    |          |          | ]   |          | 145        |
|          | 46       |         |          |  |  |              |          |          |          |              | ]   |       | 96       |          |                |          |    |          |   |    |          |          | ]   |          | 146        |
|          | 47       |         | _        |  |  |              |          |          |          |              | ]   |       | 97       |          |                |          |    |          |   |    |          |          |     |          | 147        |
|          | 48       |         |          |  |  | L            |          |          |          |              |     |       | 98       |          |                |          |    |          |   |    |          |          | ]   |          | 148        |
|          | 49       |         |          |  |  |              |          |          |          |              | ]   |       | 99       |          |                |          |    |          |   |    | $\Box$   | <u> </u> | 1   |          | 149        |
|          | 50       |         |          |  |  |              |          |          |          | <u> </u>     | J   |       | 100      |          | _              | <u>L</u> |    | <u></u>  |   | L_ | <u> </u> |          | J   |          | 150        |

| Claim  |   |          |          |          | -        | Date   | <del></del>  |  |          |          | 1 |
|--|---|----------|----------|----------|----------|--|--------------|--|----------|----------|---|
|  |   |          |          |          |          |  |              |  |          |          | ١ |
| <del>-</del>                                     | Original  |          | ŀ        |          |          |  |              |  |          |          | l |
| Final  | iĝi   |          |          |          |          |  |              |  |          |          |   |
| ш  | ō   |          |          |          |          |  |              |  |          |          | ı |
|  |   | <u> </u> | $\vdash$ | _        |          | _  |              |  |          |          |   |
|  | 101<br>102  | L        |          |          |          |  |              |  |          |          | 1 |
|  | 102   |          |          |          |          |  |              |  |          | _        | ı |
|  | 103   |          |          |          |          |  |              |  |          | L        |   |
|  | 103<br>104<br>105<br>106  |          |          |          |          |  |              |  |          |          | 1 |
|  | 105   |          |          |          |          |  |              |  |          |          | 1 |
| -  | 106   |          |          |          |          |  |              |  |          |          | 1 |
|  | 107   |          |          |          | Г        |  | _            |  |          |          | 1 |
|  | 108   | _        | _        | -        | -        | _  | $\vdash$     |  |          | $\vdash$ | ſ |
|  | 108<br>109  | ┢        | ┢        | $\vdash$ | Н        | -  | -            | H  |          | <u> </u> | ł |
|  | 110   | $\vdash$ | ┢        | $\vdash$ |          | $\vdash$   | -            | $\vdash$   | _        | ┝        | ł |
| <u> </u>   | 444   |          |          | $\vdash$ | $\vdash$ | ⊢  | <del> </del> | $\vdash$   | -        | ┝        | ł |
|  | 111   | ⊢        |          | -        | -        |  | -            |  | _        | <u> </u> | ł |
|  | 112   | _        | <u> </u> | <u> </u> | _        | <u> </u>   | L            |  | _        | _        | ł |
| <u> </u>   | 113   | <u> </u> | <b>!</b> | $\vdash$ | $\vdash$ | L  | L            | $\vdash$   | <u> </u> | <u> </u> | 1 |
| ļ  | 112<br>113<br>114   | <u> </u> | ldash    | L_       |          | L  | $oxed{oxed}$ | L  | <u> </u> | <u> </u> | 1 |
|  | 115   | <u></u>  | _        |          |          |  | L            |  |          |          | ļ |
|  | 115<br>116  |          |          |          |          |  |              | L  |          |          | 1 |
|  | 1 117 .   |          |          |          |          |  |              |  |          |          |   |
|  | 118   |          |          |          |          |  |              |  |          |          | 1 |
|  | 119   |          |          |          |          |  |              |  | _        | Г        | 1 |
|  | 118<br>119<br>120<br>121  |          |          |          |          |  |              |  |          |          | 1 |
|  | 121   |          | Г        |          |          |  | $\vdash$     | _  | _        | Т        | 1 |
|  | 122   | $\vdash$ | H        | _        | -        | -  | $\vdash$     | $\vdash$   | $\vdash$ |          | ١ |
| <b></b>  | 123   | ⊢        | $\vdash$ | $\vdash$ | ┢        | -  | $\vdash$     | -  |          | ┪        | ł |
|  | 124   |          |          | -        |          | _  |              | $\vdash$   | ┝        | -        | ł |
|  | 122<br>123<br>124<br>125<br>126<br>127<br>128<br>129<br>130<br>131<br>132 | ┢        | -        | -        | -        | -  | ┝            |  | ┝        |          | ł |
|  | 126   | ┢        | ┢        | $\vdash$ |          | $\vdash$   | ├            | ├  | ┝        | ┢        | ł |
| <del>                                     </del> | 127   | ⊢        |          | -        | ⊢        | ┝  |              | $\vdash$   | ├        | $\vdash$ | ł |
| <u> </u>   | 127   | ⊢        | ⊢        | ┝        | ļ        | -  | -            | $\vdash$   | ⊢        | -        | ł |
|  | 120   | -        |          | ├        |          |  | ⊢            | $\vdash$   | ┝        | ⊢        | ┨ |
| <u> </u>   | 129   |          | -        |          | <u> </u> | ┡  | ⊢            | ├-   | ⊢        | ├—       | ł |
|  | 130   |          | ├_       | <u> </u> | <u> </u> | _  | <u> </u>     | <u> </u>   | <u> </u> | _        | ł |
| <u> </u>   | 131   | _        | ļ        | _        |          | _  | <u> </u>     | L.   | <u> </u> | <u> </u> | l |
| ļ  | 132   |          | ļ        | <u> </u> | _        |  | <u> </u>     | $ldsymbol{ldsymbol{ldsymbol{eta}}}$              | ļ        | <u> </u> | 1 |
| <u> </u>   | 133   | _        | <u> </u> | _        |          |  |              |  | _        |          | l |
|  | 133<br>134  |          |          | _        | L        |  |              |  |          | L        | 1 |
|  | 135<br>136  |          |          |          |          | _  |              |  |          |          |   |
|  | 136   |          |          |          |          |  |              |  |          |          |   |
|  | 137   |          |          |          |          |  |              |  |          |          |   |
|  | 138<br>139  |          |          |          |          |  |              |  |          |          | ] |
|  | 139   | Π        |          | Г        |          | Г  |              |  |          |          | 1 |
|  | 140   |          |          |          |          |  |              |  |          |          | 1 |
|  | 141   |          |          |          |          |  |              |  |          |          | 1 |
|  | 142   |          |          |          | Γ        | Г  | Г            |  |          |          | 1 |
| l —  | 143   | T        | Г        | Т        | Г        | Г  |              |  |          |          | 1 |
|  | 144   | Г        | Т        |          | T        | <del>                                     </del> | 1            |  |          | Т        | 1 |
| $\vdash$   | 145   | $\vdash$ | $\vdash$ | Т        | H        | Н  |              | <del>                                     </del> | $\vdash$ | t        | t |
| <del> </del>                                     | 146   | $\vdash$ |          |          | $\vdash$ | -  | -            | $\vdash$   | _        | $\vdash$ | 1 |
| $\vdash$   | 147   | $\vdash$ | -        | -        | ╁─       | $\vdash$   |              | $\vdash$   | $\vdash$ | $\vdash$ | ł |
| ⊢—   | 148   |          | -        | ┰        | $\vdash$ | $\vdash$   | -            | $\vdash$   | $\vdash$ | $\vdash$ | ł |
| <b> </b>   |   | -        | 1        | $\vdash$ | $\vdash$ | -  | $\vdash$     | $\vdash$   | $\vdash$ | $\vdash$ | ł |
| ⊢  | 149   | $\vdash$ | ⊢        | $\vdash$ | ├        | -  |              | ├  |          | ├-       | ł |
| Щ  | 150   | <u> </u> | <u> </u> |          | <u> </u> | <u> </u>   | Щ            | L  | L        | L        | J |
|  |   |          |          |          |          |  |              |  |          |          |   |